## **CLAIMS**

## What Is Claimed Is:

l	1.	An inflatable lap belt safety bag comprising:
2		a lower section secured to a lap belt proximate an inflation source;
3		a middle section; and
4		an upper section;
5		wherein the upper section is folded into the middle section and the upper section
6	and middle se	ection are folded into the lower section; and
7		wherein upon inflation, the lower section inflates first to one side away from the
8	inflation sour	ce, the middle section inflates next, and the upper section inflates last towards the
9	inflation sour	ce.
1	2. shape.	The safety bag of claim 1 wherein upon inflation the bag has approximately a C-
1	3.	The safety bag of claim 1 wherein the bag inflates around a user's arm.
1	4.	The safety bag of claim 1 wherein the upper section inflates to the side of a user's
2	head.	
1	5.	The safety bag of claim 1 wherein the bag provides protection from both a
2	forward com	ponent and a side component.

2 the front of a user. 1 7. A lap belt comprising: 2 a housing; and 3 an inflatable safety bag wherein the safety bag comprises a lower section, a 4 middle section and an upper section, and wherein the upper section is folded into the middle 5 section and the upper section and middle section are folded into the lower section; 6 and wherein the air bag is folded into the housing and attached to the lap belt. 1 8. The lap belt of claim 7 further comprising a tubing connected and one end to an 2 air source and at another end to the lower section of the air bag. 1 9. The lap belt of claim 7 wherein upon inflation the bag has approximately a C-2 shape. 10. The lap belt of claim 7 wherein the bag inflates around a user's arm. 1 1 The lap belt of claim 7 wherein the upper section inflates to the side of a user's 11. 2 head. 1 The lap belt of claim 7 wherein the airbag provides protection from both a 12. 2 forward component and a side component.

The safety bag of claim 1 wherein the bag inflates at an angle of 45° relative to

6.

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1	13. The lap belt of claim 7 wherein the housing is positioned to inflate the air bag at	
2	an angle of 45° relative to the front of a user. The lap belt of claim 7 wherein the airbag provides	
3	protection from both a forward component and a side component.	
1	14. A method for providing a vehicle restraint system comprising:	
2	determining an orientation of a vehicle seat in relation to an expected direction for	
3	impact event;	
4	providing a lap belt comprising:	
5	a housing; and	
6	an inflatable safety bag wherein the safety bag comprises a lower section,	
7	a middle section and an upper section, and wherein the upper section is folded into the	
8	middle section and the upper section and middle section are folded into the lower section;	
9	and wherein the air bag is folded into the housing and attached to the lap	
10	belt;	
11	positioning the housing to direct inflation of the air bag towards the expected	
12	direction of an impact.	
1	15. The method of claim 14 wherein upon inflation the bag has approximately a C-	
2	shape.	
1	16 The method of claim 14 wherein the hag inflates around a user's arm	